



United States
Department of
Agriculture

Forest
Service

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Sheri Smith

39,44246 120.71187

Reply To: 3410

Date: FEB 01 1993

Subject: Douglas-fir Tussock Moth Pheromone Detection Survey - 1992 Report
(C93-4)

To: Forest Supervisors, Eldorado, Inyo, Lassen, Plumas, Modoc, Sierra,
Stanislaus, Sequoia and Tahoe NFs and Lake Tahoe Basin Management
Unit

Based on the results of the Douglas-fir Tussock Moth (DFTM) pheromone detection survey, average traps catches remained at low levels during 1992 (Table 1). Of the 164 plots (5 traps/plot) monitored, 156 plots (95%) had fewer than an average of 10 moths per trap. With the possible exception of some activity in the northeastern part of the state, significant DFTM activity is not anticipated in Region 5 in 1993. Three plots (1 on National Forest land, 2 on State land) located a few miles west of Goose Lake, Modoc County, had above normal levels of moths caught in the traps during 1992. In addition, single plots located near Fredonyer Pass, Lassen County and around Burney Mountain, Shasta County, had increases over last year's trap catch. Follow-up monitoring of the larval populations near Goose Lake will take place during the spring of 1993.

Sufficient trapping materials have been ordered for the detection trapping plots for this year. They will be distributed to cooperators in June or July. Please direct any questions to Sheri Smith or John Wenz at (209) 532-3671.

John Neiseess

JOHN NEISESS, Program Leader
Forest Pest Management
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Enclosure



Caring for the Land and Serving People

FS-6200-28 (7-82)

Table 1.

NUMBER OF DOUGLAS-FIR TUSSOCK MOTH PHEROMONE
DETECTION SURVEY PLOTS BY TRAP CATCH 1979-1992

Year	Total Number Plots	NUMBER OF PLOTS WITH AN AVERAGE MOTH CATCH PER TRAP OF:													
		0<10	10<20	20<25	25<30	30<35	35<40	40<45	45<50	50<55	55<60	60<65	65<70	70<75	75+
1979	102	97	2	1	1	0	1	0	0	0	0	0	0	0	0
	100%	95%	2%	2%	2%		2%								
1980	99	99	0	0	0	0	0	0	0	0	0	0	0	0	0
	100%	100%													
1981	93	78	10	4	1	0	0	0	0	0	0	0	0	0	0
	100%	84%	10%	4%	2%										
1982	95	93	1	0	1	0	0	0	0	0	0	0	0	0	0
	100%	98%	1%		1%										
1983	96	87	6	1	1	3	0	0	0	0	0	0	0	0	0
	100%	89%	6%	1%	1%	3%									
1984	111	51	18	11	5	7	8	4	3	4	0	0	0	0	0
	100%	46%	16%	10%	4%	6%	7%	4%	3%	4%	4%				
1985	105	58	14	4	7	6	5	1	2	4	1	2	0	1	0
	100%	55%	13%	4%	7%	6%	5%	1%	2%	4%	1%	2%		1%	
1986	107	64	16	4	8	6	1	3	0	1	0	1	1	1	1
	100%	60%	15%	94%	7%	6%	1%	3%		1%		1%	1%	1%	1%
1987	108	60	15	4	2	1	1	3	0	1	0	0	1	0	0
	100%	74%	14%	4%	2%	1%	1%	3%		1%			1%		
1988	124	106	9	3	3	0	2	1	0	0	0	0	0	0	0
	100%	86%	7%	2%	2%		2%	1%							
1989	130	129	1	0	0	0	0	0	0	0	0	0	0	0	0
	100%	99%	1%												
1990	133	135	1	0	1	1	0	0	0	0	0	0	0	0	0
	100%	97%	1%		1%	1%									
1991	143	135	4	1	0	0	2	1	0	0	0	0	0	0	0
	100%	94%	3%	1%			1%	1%							
1992	164	156	3	0	2	1	0	0	0	0	1	0	1	0	0
	100%	95%	1%		1%	1%					1%		1%		